

SNC Reference Number
(enter if previously assigned)**080003****PROJECT SUMMARY****County: Shasta County****Applicant: Western Shasta Resource Conservation District****Project Title: Bear Creek Fractured Rock-Groundwater Study****PROJECT GOAL**

The goal of the groundwater study is to determine current groundwater resources in the Shingletown, Inwood, and Lack Creek areas of the Bear Creek Watershed and determine the groundwater recharge necessary to meet current and future needs.

PROJECT SCOPE

This proposal requests funds to purchase measuring and monitoring equipment for a volunteer-based groundwater study in three major areas of the watershed: Inwood, Shingletown, and Lack Creek by measuring water levels in wells on a scheduled basis. In addition, the funds would also be used to obtain the services of a hydrologist/geologist to establish well grids, interpret the data to develop subsurface geological cross-section profiles from well logs, complete a water budget for the three areas, and compare the new data with the DWR Water Budget Study in Eastern Shasta County (1984) to determine groundwater changes. The hydrologist/geologist will complete annual reports and the final report for the grant. Funds will be used by the WSRCD to administer the grant.

LETTERS OF SUPPORT**Bear Creek Watershed Group (see Attachment)****Shasta Conservation Fund (see Attachment)****SNC PROJECT DELIVERABLES AND SCHEDULE**

DETAILED PROJECT DELIVERABLES	TIMELINE
Purchase measurement and monitoring equipment	120 days after approval
Develop Study Teams for Shingletown, Inwood, Lack Creek to include training and orientation	180 days after approval
Develop Study Grids	days after approval
Contact owners of all wells included in study grids	180 days after approval
Collect water level data	120-1320 days after

	approval
Submit 6 month reports	Days 180, 545, 911, &1277 after approval.
Submit annual report	Days 365, 730,1095 after approval
Interpret information, develop subsurface cross section compare data of two studies, develop water budgets for 3 areas, prepare and submit final report,	Days 1380 to 1500 after approval

SNC PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
WSRCD grant admin, GIS work	\$10,200
Measurement and monitoring equipment	\$6,300
Hydrologist/geologist consultant	\$20,000
Supplies	\$2,500
Mileage reimbursement	\$2,500
Indirect costs	\$6,500
Sounder retrieval	\$1,800
	\$
	\$
	\$
SNC GRANT TOTAL	\$49,800